

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,047,478 B2
 APPLICATION NO. : 10/015949
 DATED : May 16, 2006
 INVENTOR(S) : Stefano Gregori et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

Line 15, "isomorphie" should be -- isomorphic --.

Line 16, " $GF(b^{a_1})GF((b^{a_1}), \dots, GF(b^{a_{1 \dots k-1}}))$ " should be -- $GF(b^{a_1})GF(b^{a_1}) \dots, GF(b^{a_1a_2 \dots a_{k-1}})$ --

Lines 18-19, " $GF(b^{a_1}), (GF(b^{a_1}), \dots, (GF(b^{a_1a_2 \dots a_{k-1}}),$ " should be -- $GF(b^{a_1}), GF(b^{a_1a_2}) \dots, GF(b^{a_1a_2 \dots a_{k-1}})$ --

Line 24, " $(GF(b^{a_1a_2 \dots a_k}))$ " should be -- $GF(b^{a_1a_2 \dots a_k})$ --

Line 31, " $(GF(b^{a_1a_2 \dots a_k}))$ " should be -- $GF(b^{a_1a_2 \dots a_k})$ --

Line 33, " $(GF(b^{a_1})), (GF(b^{a_1}), \dots, (GF(b^{a_1a_2 \dots a_{k-1}}),$ " should be -- $GF(b^{a_1}), GF(b^{a_1a_2}), \dots, GF(b^{a_1a_2 \dots a_{k-1}})$ --

Line 35, " $(GF(b^{a_1a_2 \dots a_{k-1}}))$ " should be -- $GF(b^{a_1a_2 \dots a_{k-1}})$ --

Line 37, " $(GF(b^{a_{12} \dots a_k}))$ " should be -- $GF(b^{a_{12} \dots a_k})$ --

Line 39, " $(GF(b^{a_1})), (GF(b^{a_{12}}), \dots, (GF(b^{a_1a_2 \dots a_k}),$ " should be -- $GF(b^{a_1}), GF(b^{a_1a_2}), \dots, GF(b^{a_1a_2 \dots a_{k-1}})$ --

Lines 40-41, " $(GF(b^{a_{12} \dots a_k}))$ " should be -- $GF(b^{a_{12} \dots a_k})$ --

Lines 45-46, " $(GF(b^{a_1})), (GF(b^{a_{12}}), \dots, (GF(b^{a_1a_2 \dots a_{k-1}}),$ " should be
 $-- GF(b^{a_1}), GF(b^{a_1a_2}), \dots, GF(b^{a_1a_2 \dots a_{k-1}})$ --

Line 47, " $(GF(b^{a_1a_2 \dots a_k}))$ " should be -- $GF(b^{a_1a_2 \dots a_k})$ --

Lines 49-50, " $(GF(b^{a_1})), (GF(b^{a_{12}}), \dots, (GF(b^{a_1a_2 \dots a_k}),$ " should be -- $GF(b^{a_1}), GF(b^{a_1a_2}), \dots, GF(b^{a_1a_2 \dots a_k})$ --

Lines 52-53, " $(GF(b^{a_1})), (GF(b^{a_{12}}), \dots, (GF(b^{a_1a_2 \dots a_k}),$ " should be -- $GF(b^{a_1}), GF(b^{a_1a_2}), \dots, GF(b^{a_1a_2 \dots a_{k-1}})$ --

Line 54, " $(GF(b^{a_{12} \dots a_k}))$ " should be -- $GF(b^{a_{12} \dots a_k})$ --

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Page 2 of 3

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Lines 57-58, " $(GF(b^{a_1}), (GF(b^{a_{11}}), \dots, (GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1})$, $GF(b^{a_1a_2})$, ..., $GF(b^{a_1a_2\dots a_k})$ --

Line 60, " $a_1, a_1 a_2, \dots, a_1a_2 \dots a_h$ " should be -- $a_1, a_1a_2, \dots, a_1a_2\dots a_h$ --

Lines 62-63, " $(GF(b^{a_1}), (GF(b^{a_{11}}), \dots, (GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1})$, $GF(b^{a_1a_2})$, ..., $GF(b^{a_1a_2\dots a_k})$ --

Lines 64-65, " $a_1, a_2, \dots, a_1a_2\dots a_h$ " should be -- $a_1, a_1a_2, \dots, a_1a_2\dots a_h$ --

Column 18

Line 1, " $(GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1a_2\dots a_k})$ --

Lines 2-3, " $(GF(b^{a_1})), (GF(b^{a_{11}}), \dots, (GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1})$, $GF(b^{a_1a_2})$, ..., $GF(b^{a_1a_2\dots a_{k-1}})$ --

Line 5, " $(GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1a_2\dots a_k})$ --

Lines 6-7, " $(GF(b^{a_1})), (GF(b^{a_{11}}), \dots, (GF(b^{a_1a_2\dots a_{k-1}}))$ " should be -- $GF(b^{a_1})$, $GF(b^{a_1a_2})$, ..., $GF(b^{a_1a_2\dots a_{k-1}})$ --

Line 9, " $(GF(b^{a_{11}\dots a_k}))$ " should be -- $GF(b^{a_1a_2\dots a_k})$, --

Line 13, " $(GF(b^{a_1})), (GF(b^{a_{11}}), \dots, (GF(b^{a_1a_2\dots a_{k-1}}))$ " should be -- $GF(b^{a_1})$, $GF(b^{a_1a_2})$, ..., $GF(b^{a_1a_2\dots a_{k-1}})$ --

Line 20, " $(GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1a_2\dots a_k})$ --

Line 22, " $(GF(b^{a_1})), (GF(b^{a_{11}}), \dots, (GF(b^{a_1a_2\dots a_{k-1}}))$ " should be -- $GF(b^{a_1})$, $GF(b^{a_1a_2})$, ..., $GF(b^{a_1a_2\dots a_{k-1}})$ --

Line 32, " $(GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1a_2\dots a_k})$ --

Line 37, " $(GF(b^{a_1a_2\dots a_k}))$ " should be -- $GF(b^{a_1a_2\dots a_k})$ --

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Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Lines 51-54, "reading from the multilevel memory cells a codeword having $k+n$ coded symbols in a first base the first base being equal to a maximum number of storage levels of the memory levels;" should read as -- reading from the multilevel memory cells a codeword having $k+n$ coded symbols in a first base, the first base being equal to a maximum number of storage levels of the memory cells; --

Signed and Sealed this

Twenty-second Day of July, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office